

1/25

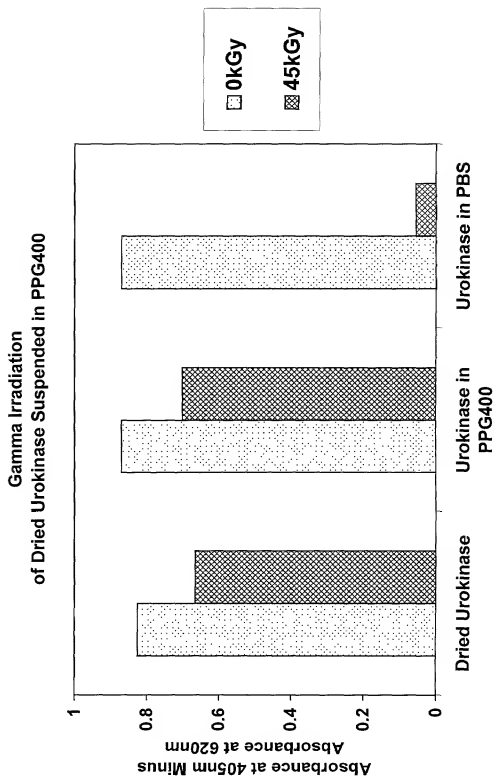


FIG. 1

2/25

Gamma Irradiation of Immobilized Monoclonal
Antibody in the Presence of Various PPGs

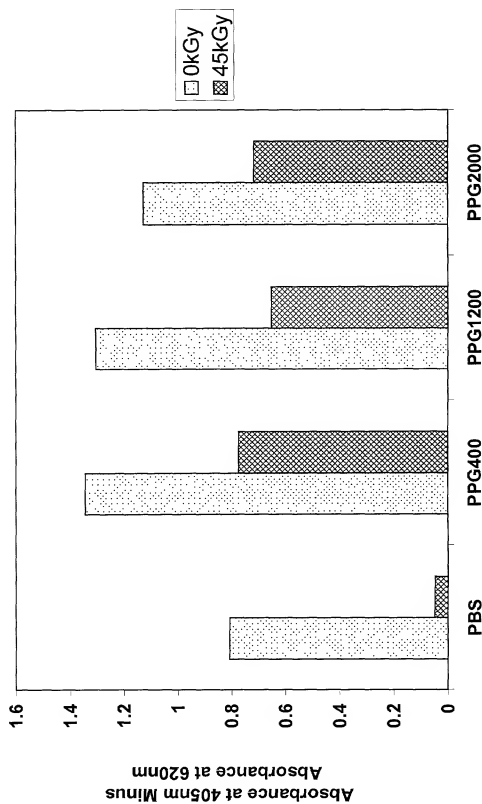


FIG. 2

3/25

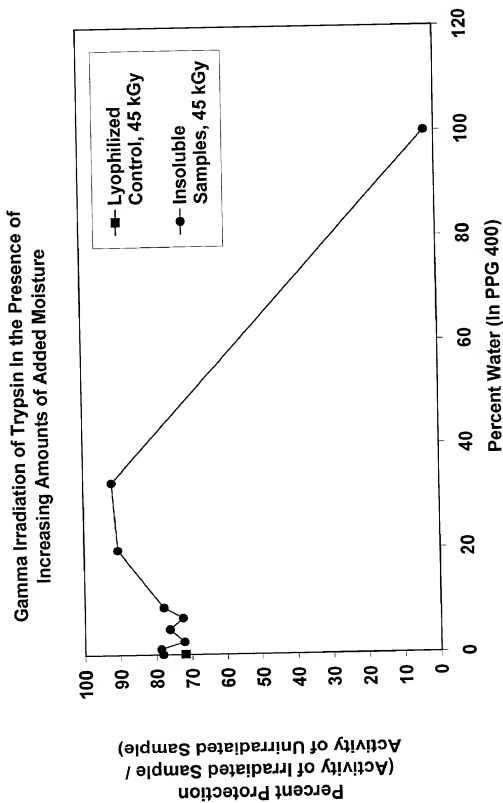


FIG. 3

4/25

Gamma Irradiation of Hydrolyzed Heart Valve
Cusps in the Presence of PPG 400

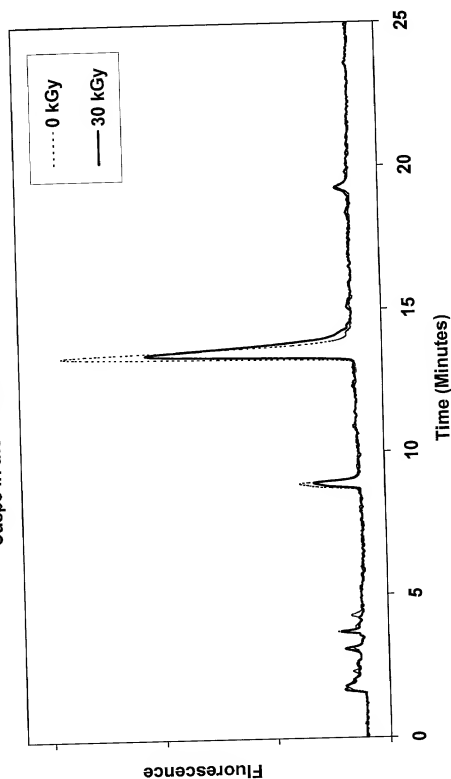


FIG. 4A

5/25

Gamma Irradiation of Hydrolyzed Heart Valve Cusps
in the Presence of PPG 400 and 125 mM Trolox C

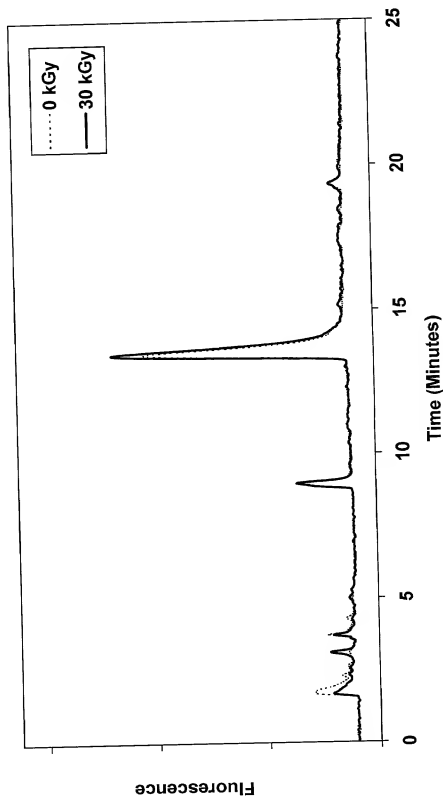


FIG. 4B

6/25

Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of PPG 400
and a Stabilizer Mixture of 62.5mM Trolox, 100mM Lipoic Acid,
100mM Coumaric Acid, and 100mM n-Propyl Gallate

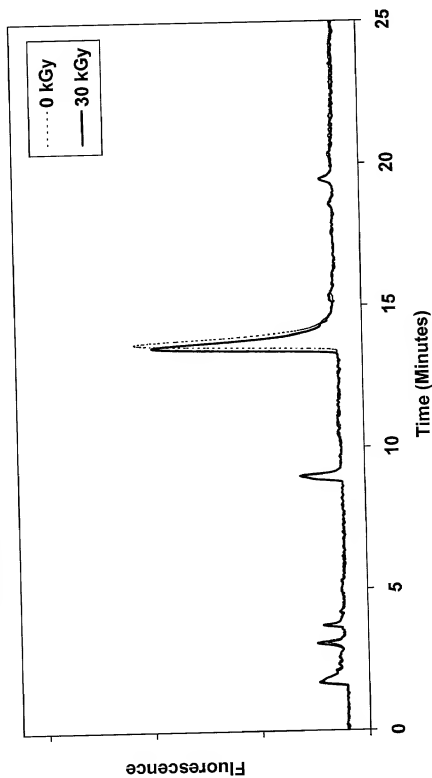


FIG. 4C

Gamma Irradiation of Porcine Heart Valve Cusps in the Presence of PPG400 with Various Stabilizers

1. Molecular Weight Markers

2. Blank

3. PPG400, 0 kGy

4. PPG400, 30 kGy

5. PPG400 and Trolox, 0 kGy

6. PPG400 and Trolox, 30 kGy

7. PPG400 and a Cocktail of Trolox, Lipoic Acid, Coumaric Acid, and n-Propyl Gallate, 0 kGy

8. PPG400 and a Cocktail of Trolox, Lipoic Acid, Coumaric Acid, and n-Propyl Gallate, 30kGy

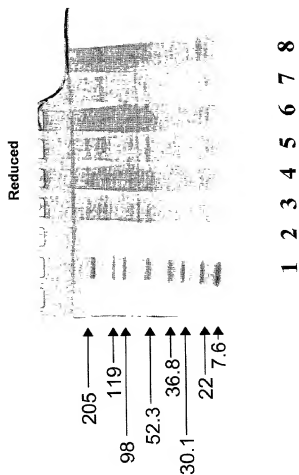


FIG. 4D

8/25



Gamma Irradiation of Hydrolyzed Heart Valve
Cusps in the Presence of PBS

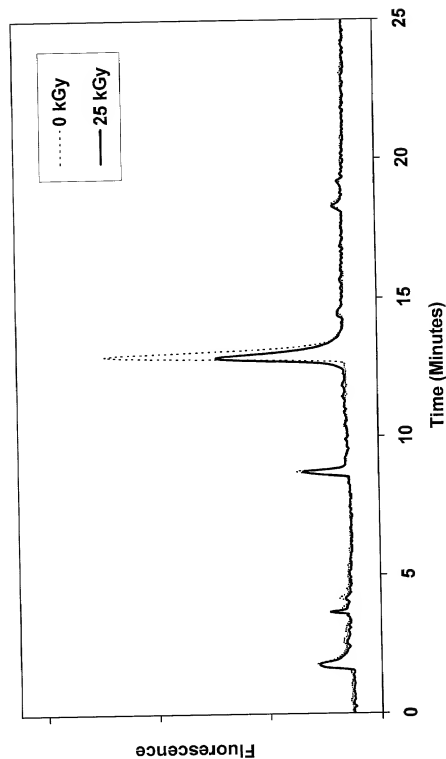


FIG. 5A

9/25

Gamma Irradiation of Hydrolyzed Heart Valve
Cusps in the Presence of PPG 400

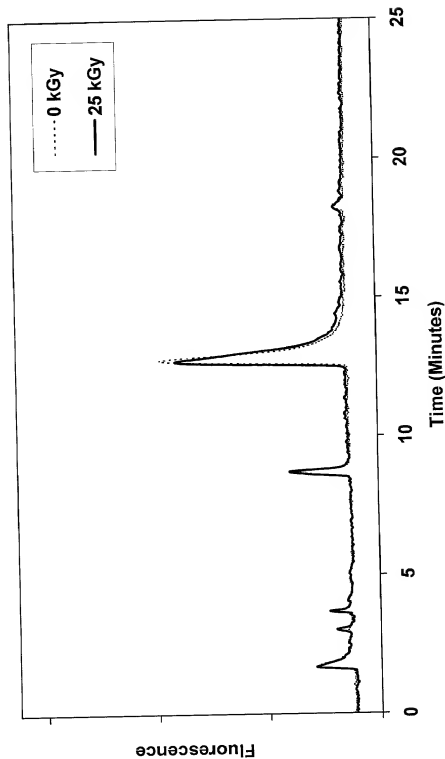


FIG. 5B

10/25

Gamma Irradiation of Hydrolyzed Heart Valve
Cusps in the Presence of 50% DMSO

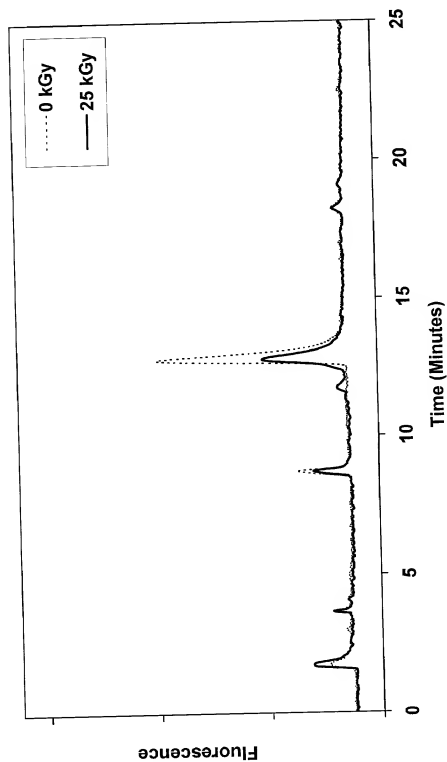


FIG. 5C

11/25

Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of 50%
DMSO and a Stabilizer Mixture of 167 mM Ascorbate, 166 mM Coumaric
Acid, and 100 mM n-Propyl Gallate

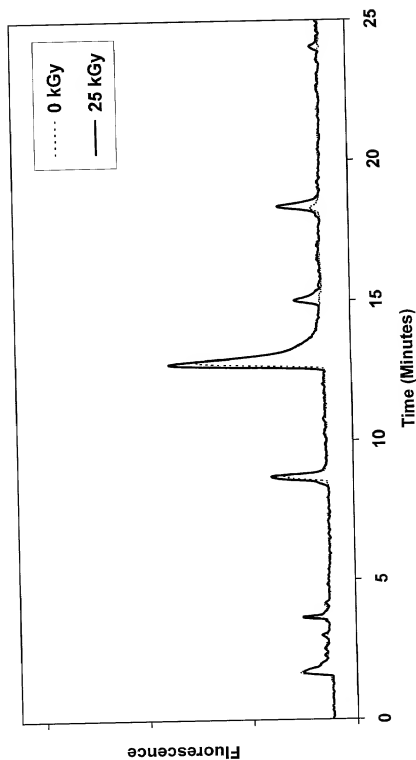


FIG. 5D

12/25

Gamma Irradiation of Porcine Heart Valve Cusps in the Presence of Various Solvents

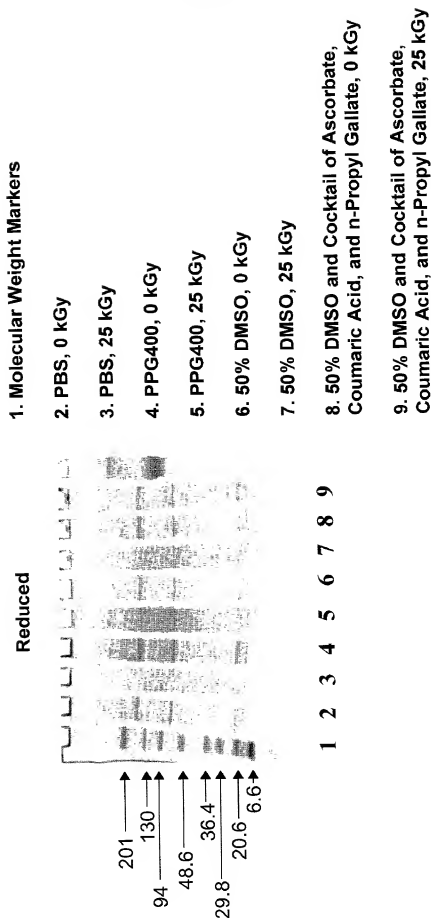


FIG. 5E

13/25

Gamma Irradiation of Hydrolyzed Heart Valve
Cusps in the Presence of PBS

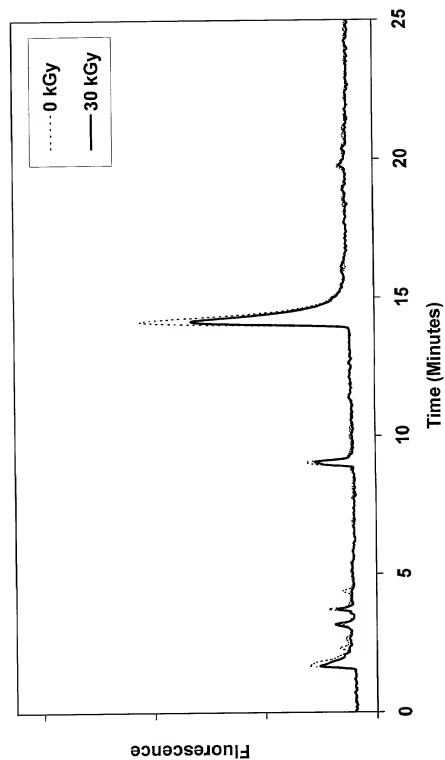


FIG. 6A

14/25

Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of a Cryopreservative (Containing Approximately 20% DMSO)

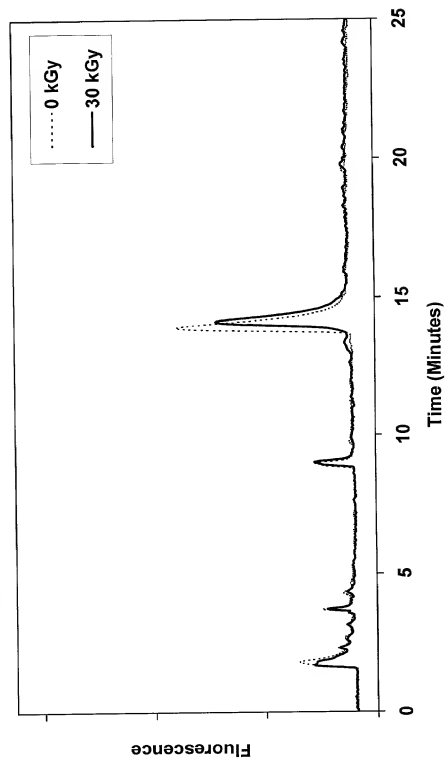


FIG. 6B

15/25

Gamma Irradiation of Hydrolyzed Heart Valve
Cusps in the Presence of 50% DMSO

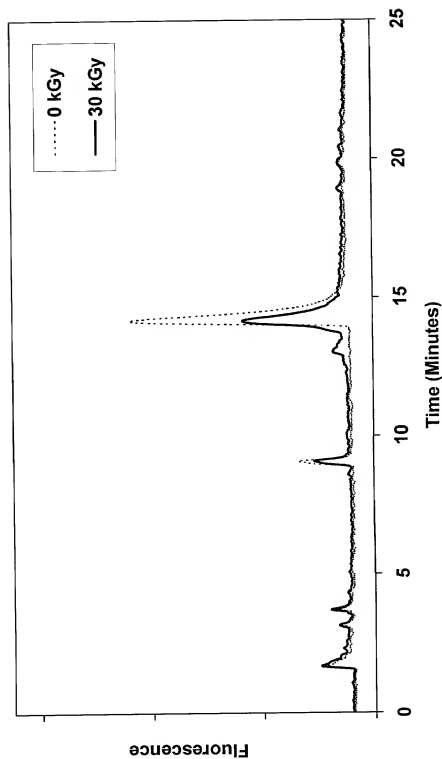


FIG. 6C

16/25

Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the
Presence of 50% DMSO and Ascorbate

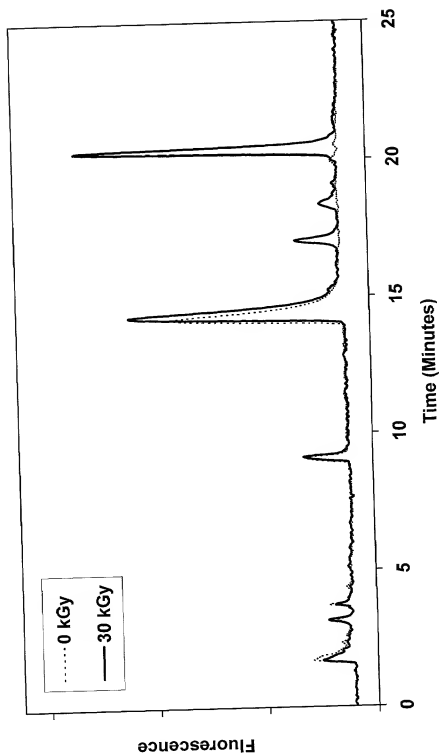


FIG. 6D

17/25

Gamma Irradiation of Porcine Heart Valve Cusps In the Presence of Various Solvents

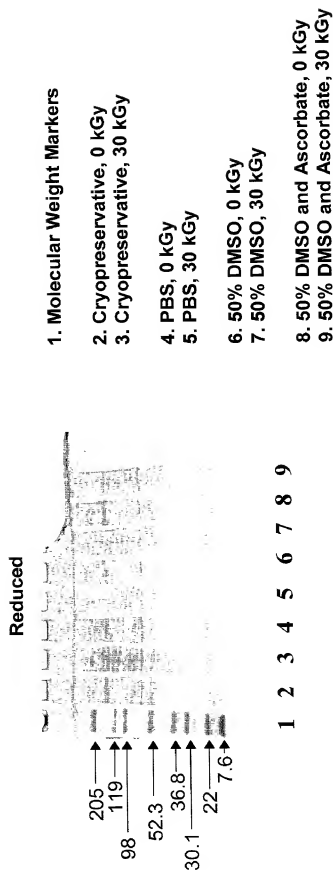


FIG. 6E

Gamma Irradiation of Hydrolyzed Heart Valve Cusps
in the Presence of PBS

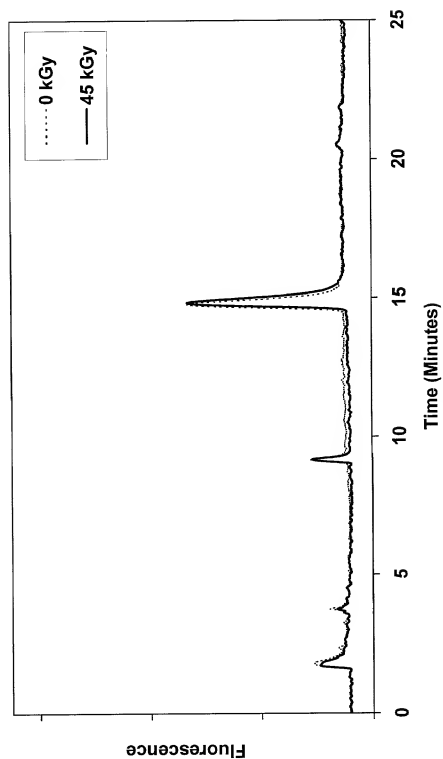


FIG. 7A

Gamma Irradiation of Hydrolyzed Heart Valve Cusps
in the Presence of PBS and Ascorbate

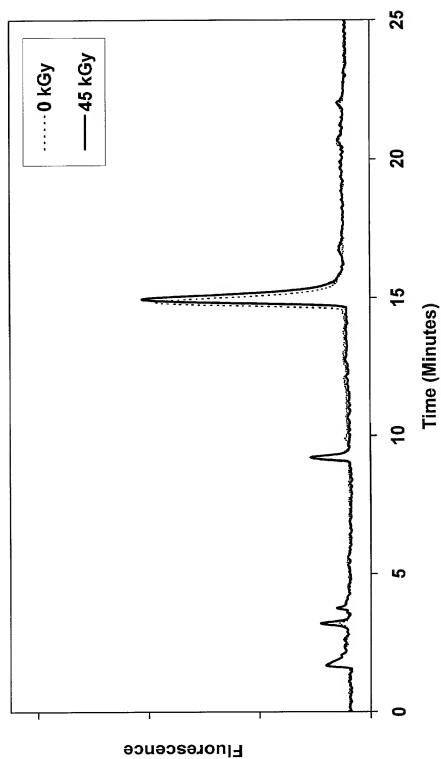


FIG. 7B

Gamma Irradiation of Hydrolyzed Heart Valve Cusps
in the Presence of PPG 400

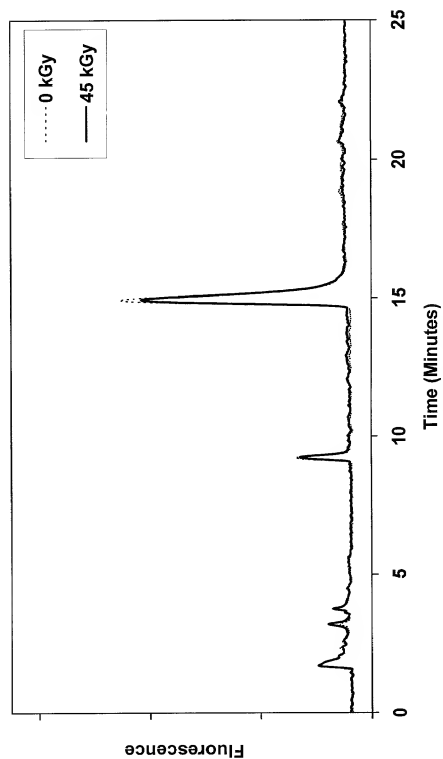


FIG. 7C

Gamma Irradiation of Hydrolyzed Heart Valve Cusps Dehydrated with PPG
400 and Rehydrated in the Presence of PBS and Ascorbate

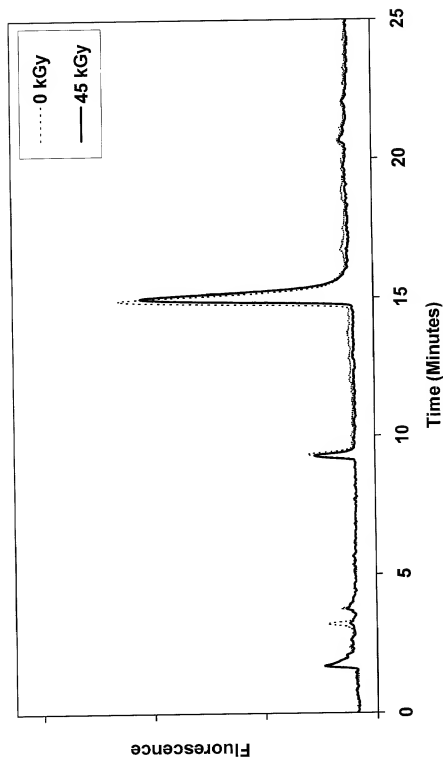


FIG. 7D

Gamma Irradiation of Hydrolyzed Heart Valve Cusps
in the Presence of 50% DMSO

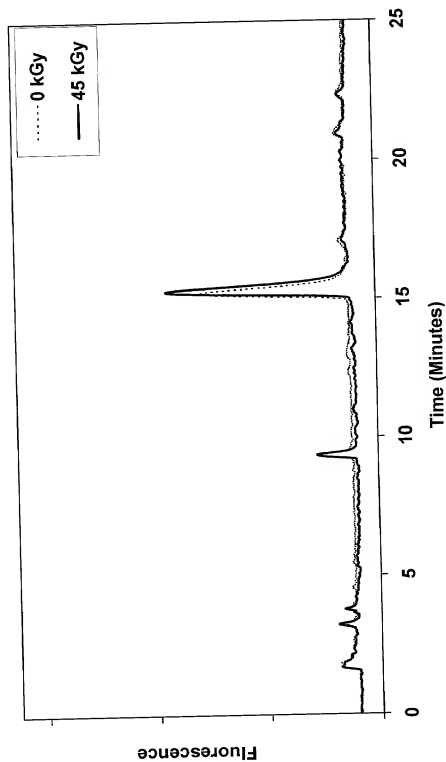


FIG. 7E

Gamma Irradiation of Hydrolyzed Heart Valve Cusps
in the Presence of 50% DMSO and Ascorbate

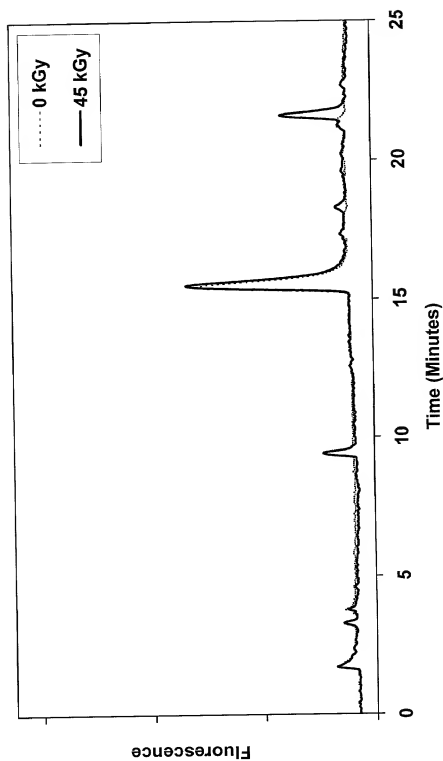


FIG. 7F

Gamma Irradiation of Porcine Heart Valve Cusps in the Presence of Various Solvents

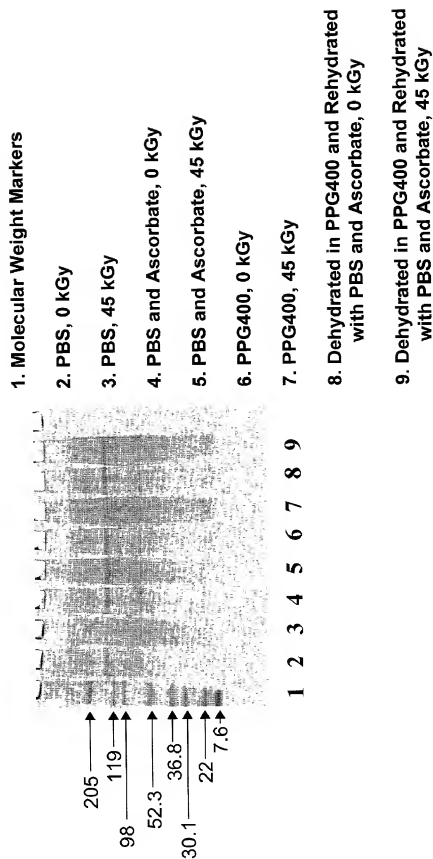


FIG. 7G

**Gamma Irradiation of Porcine Heart Valve Cusps in the
Presence of Various Solvents**

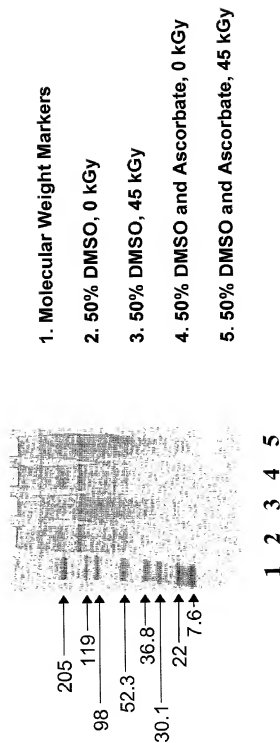


FIG. 7H